

DERWENT-ACC-NO: 1978-60175A

DERWENT-WEEK: 197833

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TITLE: Solution for etching titanium alloys - contg.
hydrofluoric and boric acids, hydrazine hydrochloride,
ethyl alcohol and water

INVENTOR: KUZMINA, V P; VINOGRADOV, Z A

PATENT-ASSIGNEE: GRIGOREVA E V[GRIGI]

PRIORITY-DATA: 1976SU-2327519 (January 6, 1976)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
SU 574459 A	October 26, 1977	N/A	000 N/A

INT-CL (IPC): C09K013/04

ABSTRACTED-PUB-NO: SU 574459A

BASIC-ABSTRACT:

Solution for etching titanium alloys, and giving a surface which has good cohesive properties for coating, comprises (in g/l): hydrazine hydrochloride 1-2, ethyl alcohol 0.5-5. boric acid 200-250 and HF (specific wt. 1.13) 350-450.

TITLE-TERMS: SOLUTION ETCH TITANIUM ALLOY CONTAIN
HYDROFLUORIC BORIC ACID
HYDRAZINE HYDROCHLORIDE ETHYL ALCOHOL WATER

DERWENT-CLASS: M14

CPI-CODES: M14-A;

DERWENT-ACC-NO: 1978-50497A

DERWENT-WEEK: 197828

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TITLE: Electrolytic etching soln. for ferrite - contains
sulphuric acid, an organic solvent and water, an
inorganic acid or an organic acid

PATENT-ASSIGNEE: MATSUSHITA ELEC IND CO LTD[MATU]

PRIORITY-DATA: 1976JP-0138154 (November 16, 1976)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
JP 53062196 A	June 3, 1978	N/A	000 N/A
JP 81036720 B	August 26, 1981	N/A	000 N/A

INT-CL (IPC): C25F003/02, H01F001/34

ABSTRACTED-PUB-NO: JP 53062196A

BASIC-ABSTRACT:

The organic solvent is pref. an alcohol, amine, ether, ester, ketone, and/or an aromatic cpd. Pref. the electrolytic etching soln. consists of 34 vol.% of con. sulphuric acid, 33 vol.% of conc. phosphoric acid and 33 vol. % of glycerin. A ferrite substrate is electrolytically etched in the electrolytic etching soln. using a photoresist pattern as a mask. The soln. does not roughen the surface of a ferrite substrate and does not corrode a photoresist formed on the ferrite substrate. Therefore an etched surface of the ferrite substrate is smooth and a sharp etching pattern is obtd.

TITLE-TERMS: ELECTROLYTIC ETCH SOLUTION FERRITE CONTAIN
SULPHURIC ACID ORGANIC
SOLVENT WATER INORGANIC ACID ORGANIC ACID

DERWENT-CLASS: L03 V02 X12 X24

CPI-CODES: L02-G07A; L03-B02B;